

123-03\_US\_replacement\_sequence.txt  
SEQUENCE LISTING

<110> Hexima Limited  
Poon, Simon  
Heath, Robyn L.  
Clarke, Adrienne E.

<120> Arabinogalactan Protein Compositions and Methods for Fostering  
Somatic Embryonic Competence

<130> 12639240/AJH

<140> 10/594,418  
<141> 2005-03-31

<150> 60/558,609  
<151> 2004-03-01

<160> 27

<170> PatentIn version 3.4

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<213> Cotton

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tcttctgaat cagattctct caacaaatgg gctgaaaaag ctcgtttcca aatcggcgac 180

tctctcgtgt ggaaatatga tgggtggtaaa gactcggtgc tccaagtgag taaggaggat 240

tatacaagtt gcaatacgtc gaacccgatt gccgagtaca aagatgggaa caccaagggtg 300

aagcttgaaa agtcaggacc atatttcttc atgagtggag caaagggcca ctgcgagcaa 360

ggccagaaga tgattgtggt tgtgatgtct caaaagcata ggtacattgg aatctctcca 420

gcaccttcgc cggttgatgt tgaaggtccg gccgttgctc caacaagcgg agttgcaggg 480

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Lys Thr Gly Ala Trp Lys Ile Pro Ser Ser Glu Ser Asp Ser Leu Asn  
35 40 45

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Lys Trp Ala Glu Lys Ala Arg Phe Gln Ile Gly Asp Ser Leu Val Trp  
50 55 60

Lys Tyr Asp Gly Gly Lys Asp Ser Val Leu Gln Val Ser Lys Glu Asp  
65 70 75 80

Tyr Thr Ser Cys Asn Thr Ser Asn Pro Ile Ala Glu Tyr Lys Asp Gly  
85 90 95

Asn Thr Lys Val Lys Leu Glu Lys Ser Gly Pro Tyr Phe Phe Met Ser  
100 105 110

Gly Ala Lys Gly His Cys Glu Gln Gly Gln Lys Met Ile Val Val Val  
115 120 125

Met Ser Gln Lys His Arg Tyr Ile Gly Ile Ser Pro Ala Pro Ser Pro  
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Val Asp Phe Glu Gly Pro Ala Val Ala Pro Thr Ser Gly Val Ala Gly  
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gagaactaca atcattgggc tgaaaggaat agattccaag tcaatgatac tctctttttc 180  
aagtacaaga aagggtcaga ctcggtgctg ttggttaaca gagaagatta cttctcatgc 240  
aacaccaaga acccaattca gtctttaaca gaaggtgatt cactctttac atttgatcgg 300  
tcgggtccct tctttttcat caccggtaac gctgataatt gcaaaaaagg gcaaaagctg 360  
atcgctcgtg tcatggctgt aagacacaaa cccagcaac aacctccttc accttctccc 420  
tcatctgctg tgacaacagc gccggtttct ccaccacat taccattcc tgaaactaac 480  
cctcctgtag agtcacacaaa gagcagttag gctccatctc atgatgctgt ggaaccagct 540  
ccgccggagc acagatcggg ttcatcctaaa ctagtatgtt ctacctggct ggtgttgggt 600  
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 35 40 45

Arg Asn Arg Phe Gln Val Asn Asp Thr Leu Phe Phe Lys Tyr Lys Lys  
 50 55 60

Gly Ser Asp Ser Val Leu Leu Val Thr Arg Glu Asp Tyr Phe Ser Cys  
 65 70 75 80

Asn Thr Lys Asn Pro Ile Gln Ser Leu Thr Glu Gly Asp Ser Leu Phe  
 85 90 95

Thr Phe Asp Arg Ser Gly Pro Phe Phe Phe Ile Thr Gly Asn Ala Asp  
 100 105 110

Asn Cys Lys Lys Gly Gln Lys Leu Ile Val Val Val Met Ala Val Arg  
 115 120 125

His Lys Pro Gln Gln Gln Pro Pro Ser Pro Ser Pro Ser Ser Ala Val  
 130 135 140

Thr Thr Ala Pro Val Ser Pro Pro Thr Leu Pro Ile Pro Glu Thr Asn  
 145 150 155 160

Pro Pro Val Glu Ser Pro Lys Ser Ser Glu Ala Pro Ser His Asp Ala  
 165 170 175

Val Glu Pro Ala Pro Pro Glu His Arg Ser Gly Ser Phe Lys Leu Val  
 180 185 190

Cys Ser Thr Trp Leu Val Leu Gly Phe Gly Ile Trp Val Ser Met Ala  
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Leu Gly Ile Glu Asn Val Val Cys Phe Trp Cys  
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20

25

30

Gly Ser Lys Glu Ile Met Val Gly Gly Lys Thr Gly Ala Trp Lys Ile  
           35                          40                          45

Pro Ser Ser Glu Ser Asp Ser Leu Asn Lys Trp Ala Glu Lys Ala Arg  
       50                          55                          60

Phe Gln Ile Gly Asp Ser Leu Val Trp Lys Tyr Asp Gly Gly Lys Asp  
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Ser Val Leu Gln Val Ser Lys Glu Asp Tyr Thr Ser Cys Asn Thr Ser  
                           85                          90                          95

Asn Pro Ile Ala Glu Tyr Lys Asp Gly Asn Thr Lys Val Lys Leu Glu  
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Lys Ser Gly Pro Tyr Phe Phe Met Ser Gly Ala Lys Gly His Cys Glu  
           115                          120                          125

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           20                          25                          30

Gly Ser Tyr Lys Phe Tyr Val Gly Gly Arg Asp Gly Trp Val Val Ser  
           35                          40                          45

Pro Ser Glu Asn Tyr Asn His Trp Ala Glu Arg Asn Arg Phe Gln Val  
       50                          55                          60

Asn Asp Thr Leu Phe Phe Lys Tyr Lys Lys Gly Ser Asp Ser Val Leu  
   65                          70                          75                          80

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Leu Val Thr Arg Glu Asp Tyr Phe Ser Cys Asn Thr Lys Asn Pro Ile  
85 90 95

Gln Ser Leu Thr Glu Gly Asp Ser Leu Phe Thr Phe Asp Arg Ser Gly  
100 105 110

Pro Phe Phe Phe Ile Thr Gly Asn Ala Asp Asn Cys Lys Lys Gly Gln  
115 120 125

Lys Leu Ile Val Val Val Met Ala Val Arg His Lys Pro Gln Gln Gln  
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